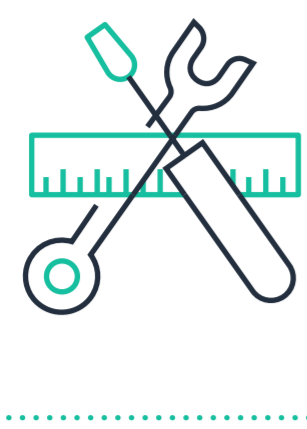


Enhanced Product & Production Design in the cloud



AWS allows you to focus on the perfect product design, not the resources to make it happen.



Design

Create 2D and 3D models, create virtual prototypes



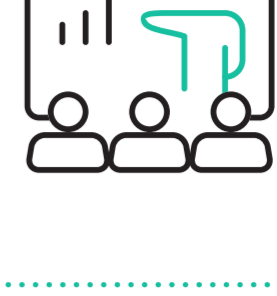
Simulate

Run large scale simulations and parameter sweeps



Visualize

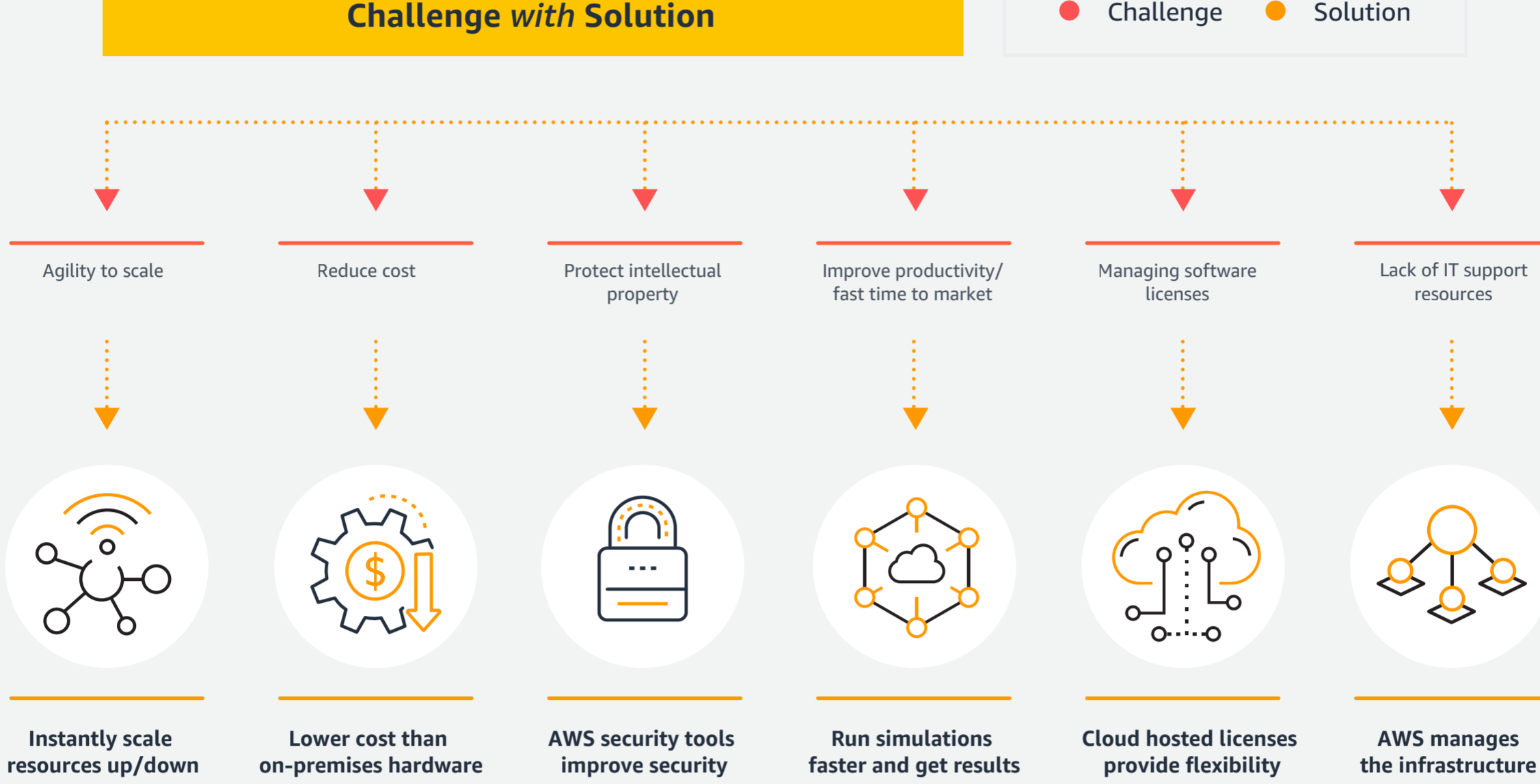
View simulation results using interactive tools



Collaborate

Securely transmit and share design data and simulation results

How AWS cloud addresses challenges with manufacturing design teams



Digital Transformation opportunities in your engineering group



85-90%

Cost savings¹ realized by NI

39 years of computational chemistry

processed in 9 hours²



60% of manufacturing end users prefer cloud vs on-premises⁴ for software licensing

73%

are moving or considering moving to the cloud for CAD³



Product and Production Design

Electronic Design Automation, Computer Aided Design, Computational Fluid Dynamics, Finite Element Analysis



Smart Factory

Process Optimization, Predictive Maintenance, SAP Optimization

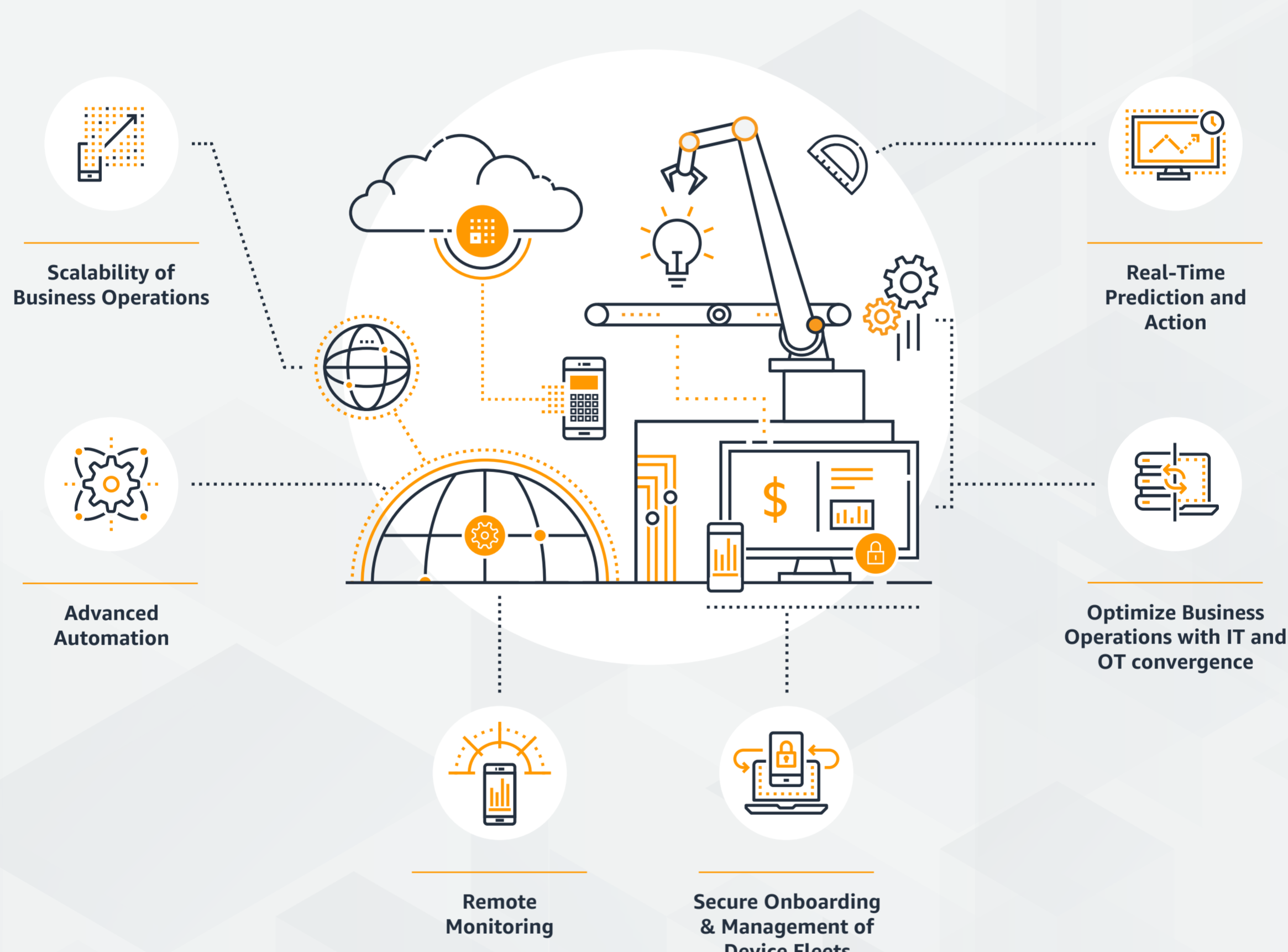


Smart Product

New Customer Experiences, Connected Products, New Revenue Streams, Product as a Service

Transform your design efforts with the most comprehensive set of cloud solutions available today, while taking advantage of security designed for the most sensitive organizations.

Opportunities in the Cloud with Industrial IoT

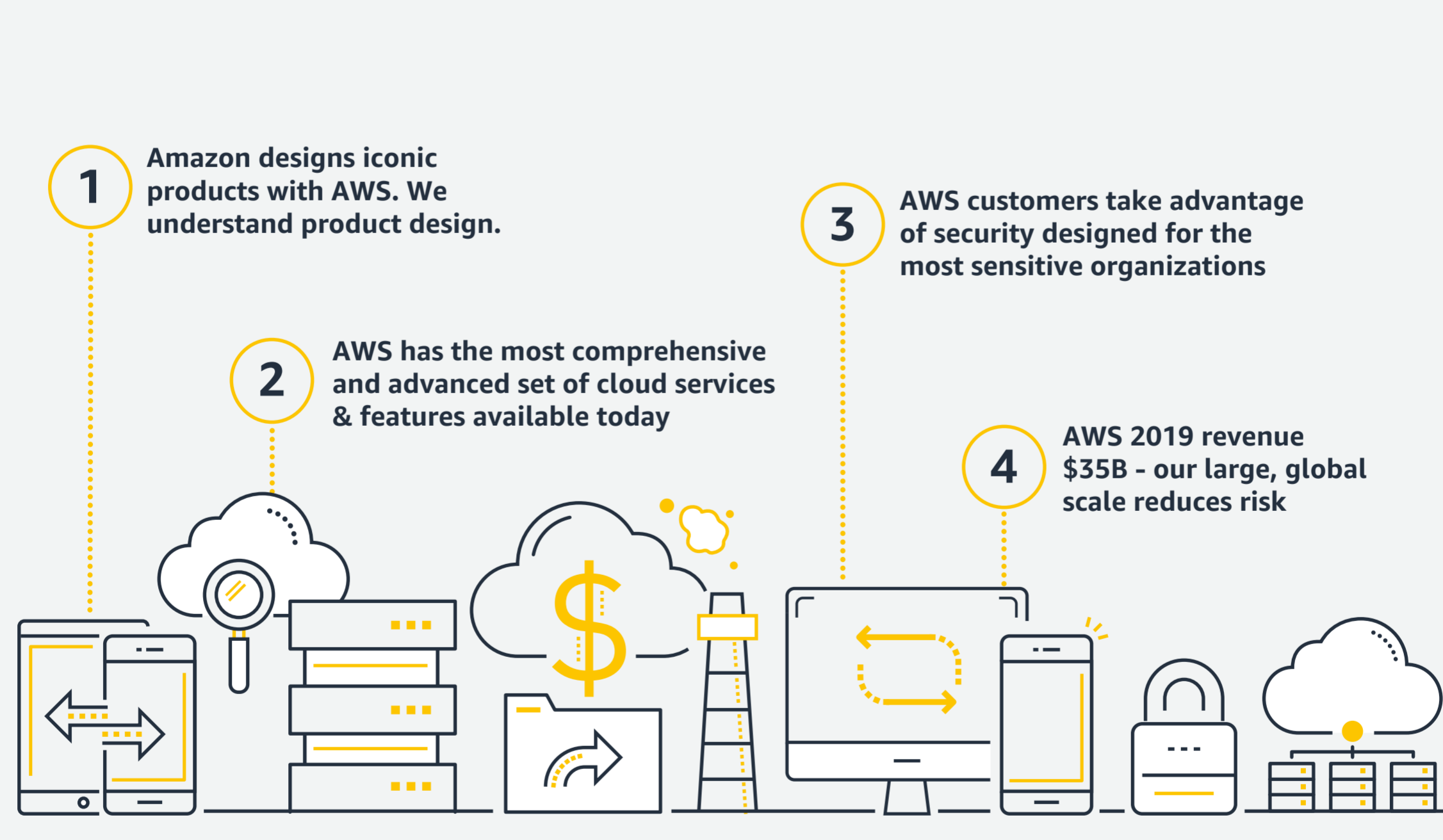


“Using AWS, we can remove the compute scalability barrier, allowing us to focus exclusively on product innovations.”

Keith Ring, VP of Technology - Innovium

Why choose AWS?

With AWS organizations can deliver as many as 3 times the features and deploy software up to 90% faster, freeing up resources to focus on strategic innovation.



Amazon Web Services cloud solutions portfolio contains over 200 highly reliable, secure, scalable services and solutions

“With AWS, we got our product to market in six months instead of once a year, and we can now confidently release new code up to ten times a week instead of once each quarter.”
—Juhana Enqvist, Chief Digital Officer, Kemppti



[Read More](#)

“We completed our chip design in less than a year on AWS, compared to the years it would have taken using an on-premises HPC environment.”
—Sanjay Gajendra, Chief Business Officer, Astera Labs



[Read More](#)

“With Amazon EC2 Spot Instances, we easily save 85-90% in costs. That, in turn, allows us to experiment with less risk and ultimately develop higher-quality products for our customers.”
—Joe Gardner, Principal Cloud Architect, National Instruments



[Read More](#)

Sources:

1 aws.amazon.com/solutions/case-studies/national-instruments/
2 aws.amazon.com/solutions/case-studies/novartis/

3 IDC Industrial Software User and ISV Survey Sponsored by AWS, April 2018
4 IDC Industrial Software User and ISV Survey Sponsored by AWS, April 2018

Accelerate time-to-market, innovate faster, and lower costs with Amazon Web Services.

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